

XEROX**Material Safety Data Sheet****MSDS No:** B-0285**Date:** 4/7/92**Revision:** 2/8/99**Manufacturer:** Xerox Corporation
Rochester, NY 14644**Telephone # (s):** *Safety Information: (800) 828-6571*
Health Emergency: (716) 422-2177
*Transportation Emergency (Chemtrec): (800) 424-9300***Section I - Product Identification**

Trade Names/Synonyms: 1065/4235/5016/5018/5021/5026/5028/5034
5046/5047/5065/5126/5321/5328/5334/5335
5365/5624/5626/5818/5820/5828/5830/Bookmark-21
XC-1875/XC-2675/Class II, Class III, Class IV Developer

Part No.: WH: 5R167*, 5R168, 5R318, 5R524*,
13R7, 13R503; XCI: 5R562*, 502S31217,
502S63455; OEM: 5R416; XL: 5R317*,
5R422, 5R90094, 5R90129, 5R90187,
502S30836, 502S30837, 502S62463,
502S62464, 502S62465, 502S62500,
502S63506; Navy: C3313R425,
C2613R424, C2113R424*, C3613R425,
CL465R422*, C2313R424, CL435R422*
*Cancelled

Chemical Name: None

WHMIS Status: This is not a WHMIS controlled product.

Ingredients (% by wt.)**CAS No.**

Steel powder (94-99%)	7439-89-6
Styrene/butadiene copolymer (1-4%)	9003-55-8
Iron oxide (0-1%)	1309-37-1

Section II - Emergency and First Aid**Primary Route of Entry:**

Inhalation

Eyes:

Flush with water.

Skin:

Wash with soap and water.

Inhalation:

Remove from exposure.

Ingestion:

Dilute stomach contents with several glasses of milk or water.

Symptoms of Overexposure:Minimal respiratory tract irritation may occur as
with exposure to large amounts of any non-toxic dust.**Medical Conditions Generally Aggravated by Exposure:**

None when used as described by product literature.

Additional Information:

None

Section III - Toxicology and Health Information

This material has been evaluated by Xerox Corporation. The toxicity data noted below is for toner only and based on test results of similar xerographic materials.

Oral LD₅₀:	>10 g/kg (rats) practically non-toxic.	TLV:	10 mg/m ³ (total dust)
Dermal LD₅₀:	>5 g/kg (rabbits) practically non-toxic.	PEL:	15 mg/m ³ (total dust)
Inhalation LC₅₀:	>5 mg/l (rats, 4 hr exposure) practically non-toxic.		5 mg/m ³ (respirable dust)
	>20 mg/l (calculated 1 hr exposure) non-poisonous, DOT.	STEL:	N.E.
Eye Irritation:	Not an irritant.	Ceiling:	N.E.
Skin Sensitization:	Not a sensitizer.	XEL¹:	2.5 mg/m ³ (total dust)
Skin Irritation:	Not an irritant.		0.4 mg/m ³ (respirable dust)
Human Patch:	Non-irritating, non-sensitizing		
Mutagenicity:	No mutagenicity detected in Ames, Micronucleus, CHO/HGPRT, and Yeast Mitotic Recombination Assays.		
Carcinogens:	None present		
Aquatic LC₅₀:	>1000 mg/l (fathead minnows) non-toxic.		

Additional Information: The results obtained from a Xerox sponsored Chronic Toner Inhalation Study, demonstrated no lung change in rats for the lowest (1mg/m³) exposure level (i.e. the level most relevant to potential human exposure). A very slight degree of fibrosis was noted in 25% of the animals at the middle (4mg/m³) exposure level, while a slight degree of fibrosis was noted in all the animals at the highest (16 mg/m³) exposure level. These findings are attributed to "lung overloading", a generic response to excessive amounts of any dust retained in the lungs for a prolonged period. This study was conducted using a special test toner to comply with EPA testing protocol. The test toner was ten times more respirable than commercially available Xerox toner, and would not be functionally suitable for Xerox equipment.

¹XEL-Xerox Exposure Limit

N.A. - Not Applicable N.E. -None Established N.D. -Not Determined

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5334/5335/5365/5624/5626/5818/5820/5828/5830/ Bookmark-21/ XC-1875/XC-2675/
Class II, Class III, Class IV Developer

MSDS No.: B-0285

Section IV - Physical Data

Appearance/Odor:	Black granular/ faint odor	Softening Range:	N.D.
Boiling Point:	N.A.	Melting Point:	N.D.
Solubility in Water:	N.D.	Specific Gravity (H₂O=1):	~5
Evaporation Rate:	N.A.	Vapor Pressure (mm Hg):	N.A.
Vapor Density (Air=1):	N.A.	pH:	N.A.
Volatile:	N.A. % (Wt.) N.A. % (Vol.)		

Section V - Fire and Explosion Data

Flash Point (Method Used): N.A.
Flammable Limits: LEL: N.A., UEL: N.A.
NFPA 704: Health - 0, Fire - 1, Reactivity - 0
Extinguishing Media: Water, foam, dry chemical.
Special Fire Fighting Procedures: Avoid inhalation of smoke. Wear protective clothing and self-contained breathing apparatus.
Fire and Explosion Hazards: None

Section VI -Reactivity Data

Stability: Stable
Hazardous Polymerization: Will Not Occur
Hazardous Decomposition Products: Products of combustion may be toxic. Avoid breathing smoke.
Incompatibility (Materials to Avoid): None

Section VII - Special Protection Information

Respiratory Protection: None required when used as intended in Xerox equipment.
Eye Protection: None required when used as intended in Xerox equipment.
Protective Gloves: None required when used as intended in Xerox equipment.
Other: For use other than normal customer - operating procedures (such as in bulk toner processing facilities), goggles and respirators may be required. For more information, contact Xerox.

Section VIII - Special Precautions

Handling and Storage: None
Conditions to Avoid: Avoid prolonged inhalation of excessive dust.

Section IX- Spill, Leak, and Disposal Procedures

For Spills or Leakage: If spilled, sweep up or vacuum.
Waste Disposal Method: When disposed, this material is not a hazardous waste according to Federal Regulation 40 CFR 261. However, State and Local requirements may be more restrictive. Therefore, consultation with the appropriate State and Local waste disposal authorities is advised.

Section X - Transportation Information

DOT Proper Shipping Name:	N.A. (Not Regulated)	ID Number:	N.A.
Hazard Classification:	N.A.	Packing Group:	N.A.